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E02D 29/14

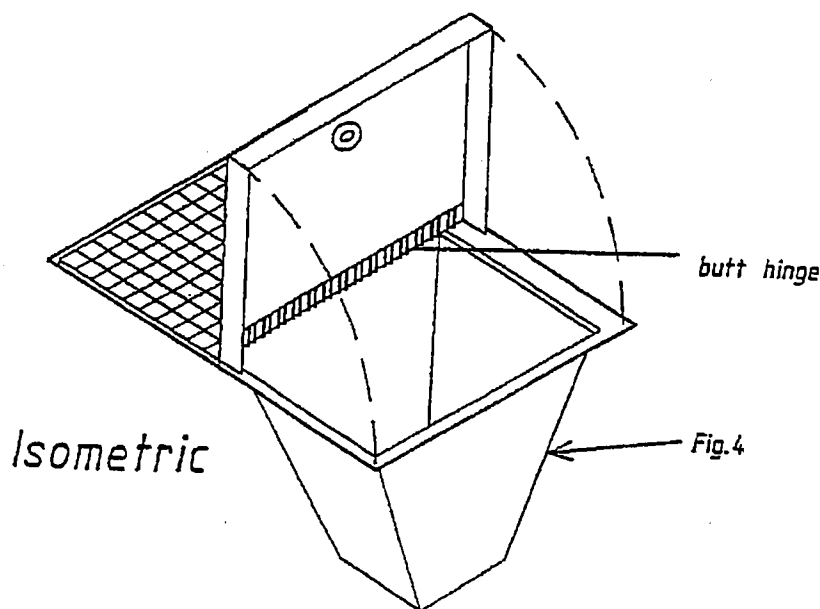
(52) UK CL (Edition L)  
E1G G96B G96G G96J G96L

(56) Documents cited  
GB 0527341 A US 4669625 A

(58) Field of search  
UK CL (Edition L) E1G  
INT CL<sup>5</sup> E02D

(54) Hinged inspection cover for disposal of pet waste

(57) A manhole cover is provided having a portion which is hingedly connected to a main part so that the hingeable part can be lifted up for inspection of the drain and for disposing waste into the drain. Waste is guided into the sewer beneath the manhole cover by a cone-shaped guide hopper which is preferably made from plastics and suspended from the underneath of the cover or frame.

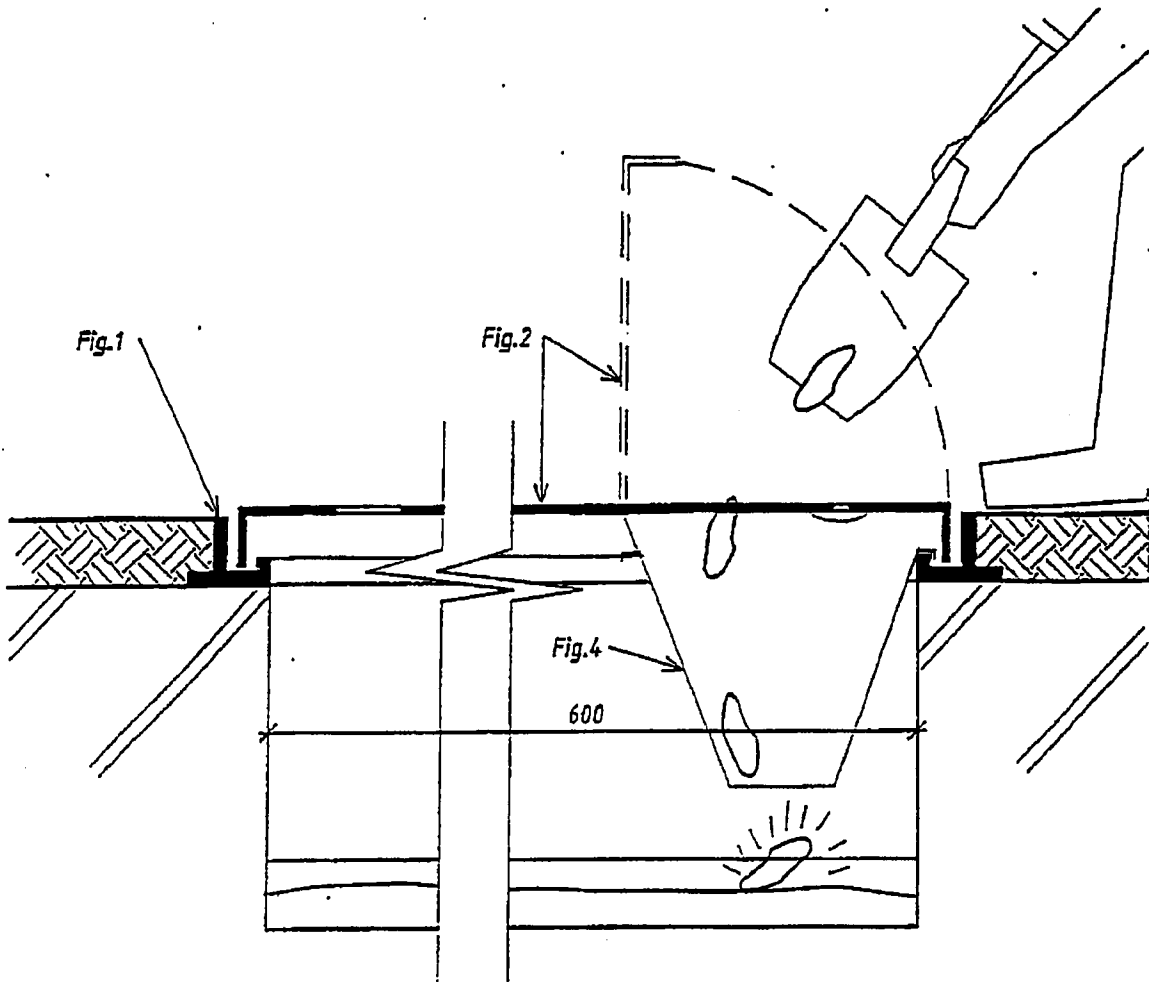


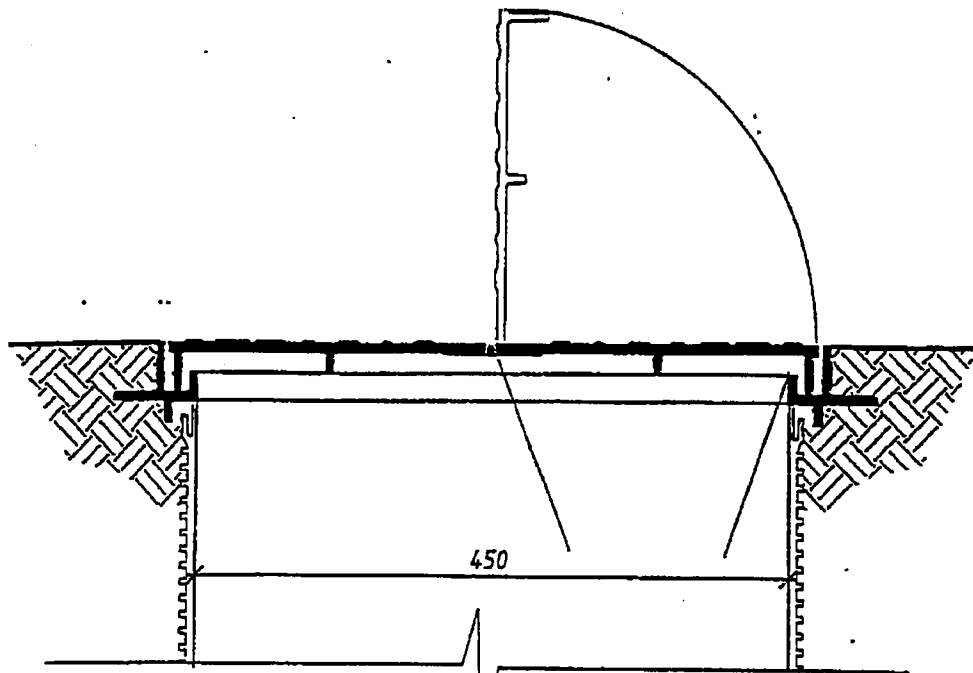
At least one drawing originally filed was Informal and the print reproduced here is taken from a later filed formal copy.

This print takes account of replacement documents submitted after the date of filing to enable the application to comply with the formal requirements of the Patents Rules 1990.

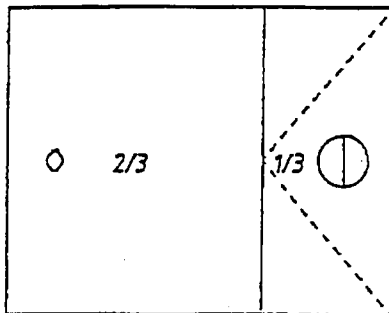
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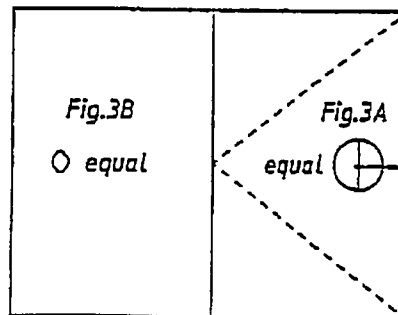




Section thru'  
circular inspection 1:5



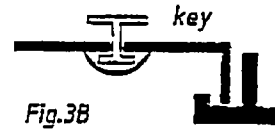
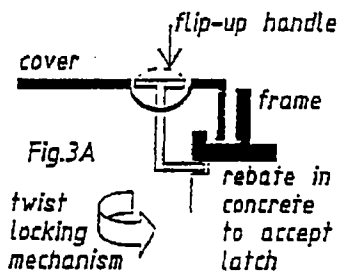
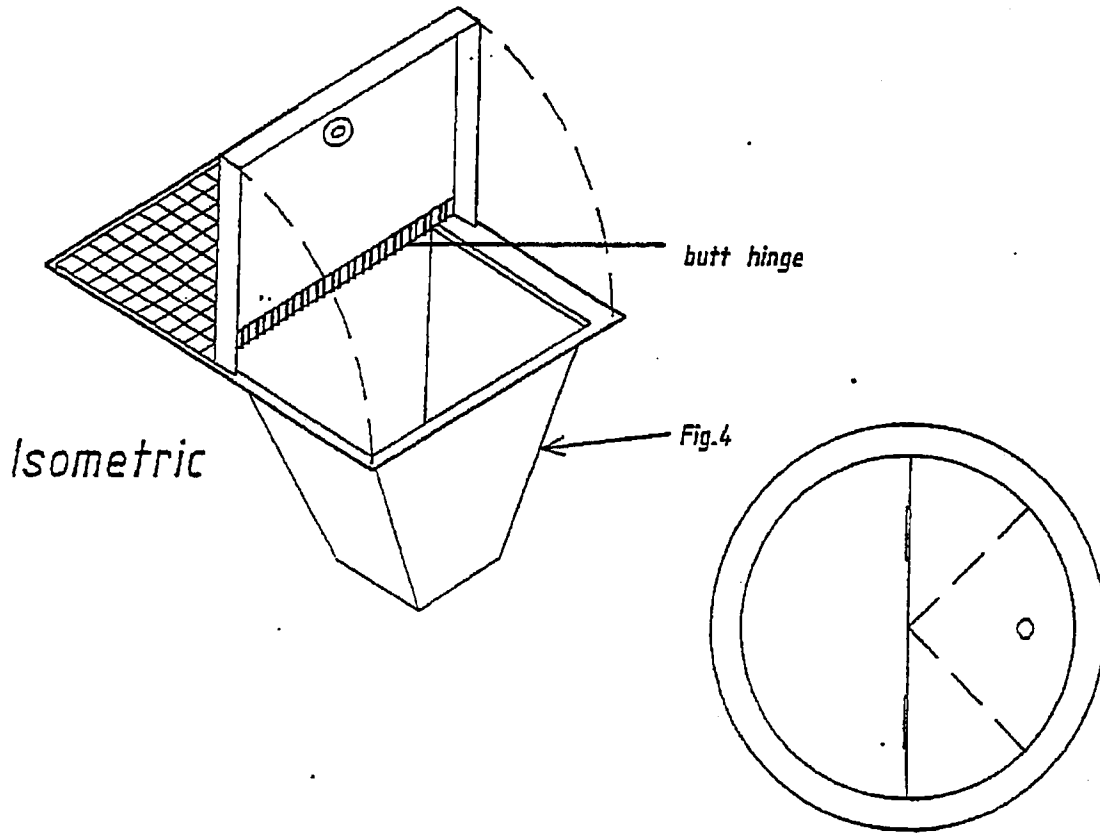
Option 2  
Plan



Option 1  
Plan

pull up handle  
or key as left

read in conjunction with  
Dwg.No. 9138 / 2 & 4



Plan Option 3

read in conjunction with  
Dwg.No. 9138 / 2 & 3

## DISPOSAL OF PET WASTE

Hinged inspection cover for the disposal of pet waste into the main sewer run. Disposing of waste in an economical and hygienic manner. The aim of the invention is to provide a small opening in the lid, which can be opened physically by most people with the minimum effort.

The invention will now be described by way of example, with reference to the accompanying drawing.

- Fig 1 Frame to suit manhole sizes already in existence, which may have a variation to different locations. Approximate size 450 x 600mm oblong, and 450mm dia circular or sized to meet demands of new manholes on domestic and commercial properties.
- Fig 2 Hinged lid which fits snugly into the frame. With equal or unequal opening lid as option 1, 2 or 3. Butt hinges constant across complete width of lid similar to piano hinges, to give desired strength and sealing ability. Complete cover can still be removed if necessary.
- Fig 3 Two forms of opening lid:- Fig 3a. Flick up handle and turn releasing lid and manually opening to desired height. Fig 3b. Inserting key into lid and lifting.
- Fig 4 Cone type effect made from a heavy duty polythene, plastic or rubber, giving general movement in direction of main drain. Sleeving into frame to support itself and act as sealant between frame and lid. (Flexy Cone). Size of cone at top equal to opening size, reducing in size to approximately 50 - 70mm. The idea of the cone is:
- (1) To direct the waste into the main channel
  - (2) Safety point of possibly a child or animal falling into the manhole if left open.

Possibly reflective paint or tape to underside of opening manhole.

Claims

## HINGED INSPECTION COVER FOR THE DISPOSAL OF PET WASTE

- 1) A manhole in which one part is hingedly connected to a main part so that the hingeable part can be lifted up for inspection of the drain or for disposing of waste into the drain.
- 2) A manhole cover as claimed in Claim 1 in which the hingeable part is connected by a piano type hinge to the main part.
- 3) A manhole cover as claimed in Claim 1 or 2 which includes a conical deflector supported from the frame of the cover for deflecting waste into the gully channel of the drain.

Patents Act 1977  
 Examiner's report to the Comptroller under  
 Section 17 (The Search Report)

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Application number

9126694.0

Relevant Technical fields

(i) UK CI (Edition K ) E1G

(ii) Int CI (Edition 5 ) E02D

Databases (see over)

(i) UK Patent Office

(ii)

Search Examiner

D HAWORTH

Date of Search

13 MARCH 1992

Documents considered relevant following a search in respect of claims

1-3

Category (see over)	Identity of document and relevant passages	Relevant to claim(s)
X	GB 0527341 A (BERGENDAHL)	1
X	US 4669625 A (ARMSTRONG)	1

SF2(p)

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Category	Identity of document and relevant passages	Relevant to claim(s)

### Categories of documents

**X:** Document indicating lack of novelty or of inventive step.

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**P:** Document published on or after the declared priority date but before the filing date of the present application.

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